

RAW SEQUENCE LISTING

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Application Serial Number: 10/536,963

Source: PCT

Date Processed by STIC: 5/15/06

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PCT

RAW SEQUENCE LISTING

DATE: 05/15/2006

PATENT APPLICATION: US/10/536,963

TIME: 10:06:17

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\05152006\J536963.raw

3 <110> APPLICANT: KAWAMURA, Ryoichi
4 NARUSE, Takeshi
5 HIRASHIMA, Masaki
6 KAMINAKA, Kazuyoshi
7 MATSUDA, Junichi
8 MAEDA, Hiroaki
9 NODA, Mami
10 WADA, Keiji
12 <120> TITLE OF INVENTION: NOVEL REMEDIES FOR DISEASES OF ABNORMAL NEUROTRANSMISSION
14 <130> FILE REFERENCE: KAWAMURA69
16 <140> CURRENT APPLICATION NUMBER: 10/536,963
17 <141> CURRENT FILING DATE: 2005-05-31
19 <150> PRIOR APPLICATION NUMBER: JP 2000-348714
20 <151> PRIOR FILING DATE: 2002-11-29
22 <160> NUMBER OF SEQ ID NOS: 5
24 <170> SOFTWARE: PatentIn version 3.3
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 362
28 <212> TYPE: PRT
29 <213> ORGANISM: Homo sapiens
32 <220> FEATURE:
33 <221> NAME/KEY: misc_feature
34 <222> LOCATION: (40)..(40)
35 <223> OTHER INFORMATION: Xaa represents selenocysteine
37 <220> FEATURE:
38 <221> NAME/KEY: misc_feature
39 <222> LOCATION: (281)..(281)
40 <223> OTHER INFORMATION: Xaa represents selenocysteine
42 <220> FEATURE:
43 <221> NAME/KEY: misc_feature
44 <222> LOCATION: (299)..(299)
45 <223> OTHER INFORMATION: Xaa represents selenocysteine
47 <220> FEATURE:
48 <221> NAME/KEY: misc_feature
49 <222> LOCATION: (311)..(311)
50 <223> OTHER INFORMATION: Xaa represents selenocysteine
52 <220> FEATURE:
53 <221> NAME/KEY: misc_feature
54 <222> LOCATION: (326)..(326)
55 <223> OTHER INFORMATION: Xaa represents selenocysteine
57 <220> FEATURE:
58 <221> NAME/KEY: misc_feature
59 <222> LOCATION: (333)..(333)

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60 <223> OTHER INFORMATION: Xaa represents selenocysteine
62 <220> FEATURE:
63 <221> NAME/KEY: misc_feature
64 <222> LOCATION: (348)..(348)
65 <223> OTHER INFORMATION: Xaa represents selenocysteine
67 <220> FEATURE:
68 <221> NAME/KEY: misc_feature
69 <222> LOCATION: (350)..(350)
70 <223> OTHER INFORMATION: Xaa represents selenocysteine
72 <220> FEATURE:
73 <221> NAME/KEY: misc_feature
74 <222> LOCATION: (357)..(357)
75 <223> OTHER INFORMATION: Xaa represents selenocysteine
77 <220> FEATURE:
78 <221> NAME/KEY: misc_feature
79 <222> LOCATION: (359)..(359)
80 <223> OTHER INFORMATION: Xaa represents selenocysteine
82 <400> SEQUENCE: 1
84 Glu Ser Gln Asp Gln Ser Ser Leu Cys Lys Gln Pro Pro Ala Trp Ser
85 1 5 10 15
88 Ile Arg Asp Gln Asp Pro Met Leu Asn Ser Asn Gly Ser Val Thr Val
89 20 25 30
W--> 92 Val Ala Leu Leu Gln Ala Ser Xaa Tyr Leu Cys Ile Ile Glu Ala Ser
93 35 40 45
96 Lys Leu Glu Asp Leu Arg Val Lys Leu Lys Lys Glu Gly Tyr Ser Asn
97 50 55 60
100 Ile Ser Tyr Ile Val Val Asn His Gln Gly Ile Ser Ser Arg Leu Lys
101 65 70 75 80
104 Tyr Thr His Leu Lys Asn Lys Val Ser Glu His Ile Pro Val Tyr Gln
105 85 90 95
108 Gln Glu Glu Asn Gln Thr Asp Val Trp Thr Leu Leu Asn Gly Ser Lys
109 100 105 110
112 Asp Asp Phe Leu Ile Tyr Asp Arg Cys Gly Arg Leu Val Tyr His Leu
113 115 120 125
116 Gly Leu Pro Phe Ser Phe Leu Thr Phe Pro Tyr Val Glu Glu Ala Ile
117 130 135 140
120 Lys Ile Ala Tyr Cys Glu Lys Lys Cys Gly Asn Cys Ser Leu Thr Thr
121 145 150 155 160
124 Leu Lys Asp Glu Asp Phe Cys Lys Arg Val Ser Leu Ala Thr Val Asp
125 165 170 175
128 Lys Thr Val Glu Thr Pro Ser Pro His Tyr His His Glu His His His
129 180 185 190
132 Asn His Gly His Gln His Leu Gly Ser Ser Glu Leu Ser Glu Asn Gln
133 195 200 205
136 Gln Pro Gly Ala Pro Asn Ala Pro Thr His Pro Ala Pro Pro Gly Leu
137 210 215 220
140 His His His His Lys His Lys Gly Gln His Arg Gln Gly His Pro Glu
141 225 230 235 240
144 Asn Arg Asp Met Pro Ala Ser Glu Asp Leu Gln Asp Leu Gln Lys Lys

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145          245          250          255
148 Leu Cys Arg Lys Arg Cys Ile Asn Gln Leu Leu Cys Lys Leu Pro Thr
149          260          265          270
W--> 152 Asp Ser Glu Leu Ala Pro Arg Ser Xaa Cys Cys His Cys Arg His Leu
153          275          280          285
W--> 156 Ile Phe Glu Lys Thr Gly Ser Ala Ile Thr Xaa Gln Cys Lys Glu Asn
157          290          295          300
W--> 160 Leu Pro Ser Leu Cys Ser Xaa Gln Gly Leu Arg Ala Glu Glu Asn Ile
161 305          310          315          320
W--> 164 Thr Glu Ser Cys Gln Xaa Arg Leu Pro Pro Ala Ala Xaa Gln Ile Ser
165          325          330          335
W--> 168 Gln Gln Leu Ile Pro Thr Glu Ala Ser Ala Ser Xaa Arg Xaa Lys Asn
169          340          345          350
W--> 172 Gln Ala Lys Lys Xaa Glu Xaa Pro Ser Asn
173          355          360
176 <210> SEQ ID NO: 2
177 <211> LENGTH: 103
178 <212> TYPE: PRT
179 <213> ORGANISM: Homo sapiens
182 <220> FEATURE:
183 <221> NAME/KEY: misc_feature
184 <222> LOCATION: (22)..(22)
185 <223> OTHER INFORMATION: Xaa represents selenocysteine
187 <220> FEATURE:
188 <221> NAME/KEY: misc_feature
189 <222> LOCATION: (40)..(40)
190 <223> OTHER INFORMATION: Xaa represents selenocysteine
192 <220> FEATURE:
193 <221> NAME/KEY: misc_feature
194 <222> LOCATION: (52)..(52)
195 <223> OTHER INFORMATION: Xaa represents selenocysteine
197 <220> FEATURE:
198 <221> NAME/KEY: misc_feature
199 <222> LOCATION: (67)..(67)
200 <223> OTHER INFORMATION: Xaa represents selenocysteine
202 <220> FEATURE:
203 <221> NAME/KEY: misc_feature
204 <222> LOCATION: (74)..(74)
205 <223> OTHER INFORMATION: Xaa represents selenocysteine
207 <220> FEATURE:
208 <221> NAME/KEY: misc_feature
209 <222> LOCATION: (89)..(89)
210 <223> OTHER INFORMATION: Xaa represents selenocysteine
212 <220> FEATURE:
213 <221> NAME/KEY: misc_feature
214 <222> LOCATION: (91)..(91)
215 <223> OTHER INFORMATION: Xaa represents selenocysteine
217 <220> FEATURE:
218 <221> NAME/KEY: misc_feature

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Input Set : A:\sequence listing.txt

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219 <222> LOCATION: (98)..(98)
220 <223> OTHER INFORMATION: Xaa represents selenocysteine
222 <220> FEATURE:
223 <221> NAME/KEY: misc_feature
224 <222> LOCATION: (100)..(100)
225 <223> OTHER INFORMATION: Xaa represents selenocysteine
227 <400> SEQUENCE: 2
229 Lys Arg Cys Ile Asn Gln Leu Leu Cys Lys Leu Pro Thr Asp Ser Glu
230 1 5 10 15
W--> 233 Leu Ala Pro Arg Ser Xaa Cys Cys His Cys Arg His Leu Ile Phe Glu
234 20 25 30
W--> 237 Lys Thr Gly Ser Ala Ile Thr Xaa Gln Cys Lys Glu Asn Leu Pro Ser
238 35 40 45
W--> 241 Leu Cys Ser Xaa Gln Gly Leu Arg Ala Glu Glu Asn Ile Thr Glu Ser
242 50 55 60
W--> 245 Cys Gln Xaa Arg Leu Pro Pro Ala Ala Xaa Gln Ile Ser Gln Gln Leu
246 65 70 75 80
W--> 249 Ile Pro Thr Glu Ala Ser Ala Ser Xaa Arg Xaa Lys Asn Gln Ala Lys
250 85 90 95
W--> 253 Lys Xaa Glu Xaa Pro Ser Asn
254 100
257 <210> SEQ ID NO: 3
258 <211> LENGTH: 33
259 <212> TYPE: PRT
260 <213> ORGANISM: Homo sapiens
263 <220> FEATURE:
264 <221> NAME/KEY: misc_feature
265 <222> LOCATION: (22)..(22)
266 <223> OTHER INFORMATION: Xaa represents selenocysteine
268 <400> SEQUENCE: 3
270 Lys Arg Cys Ile Asn Gln Leu Leu Cys Lys Leu Pro Thr Asp Ser Glu
271 1 5 10 15
W--> 274 Leu Ala Pro Arg Ser Xaa Cys Cys His Cys Arg His Leu Ile Phe Glu
275 20 25 30
278 Lys
282 <210> SEQ ID NO: 4
283 <211> LENGTH: 29
284 <212> TYPE: PRT
285 <213> ORGANISM: Homo sapiens
288 <220> FEATURE:
289 <221> NAME/KEY: misc_feature
290 <222> LOCATION: (22)..(22)
291 <223> OTHER INFORMATION: Xaa represents selenocysteine
293 <400> SEQUENCE: 4
295 Lys Arg Cys Ile Asn Gln Leu Leu Cys Lys Leu Pro Thr Asp Ser Glu
296 1 5 10 15
W--> 299 Leu Ala Pro Arg Ser Xaa Cys Cys His Cys Arg His Leu
300 20 25
303 <210> SEQ ID NO: 5

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RAW SEQUENCE LISTING

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Input Set : A:\sequence_listing.txt

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304 <211> LENGTH: 28
305 <212> TYPE: PRT
306 <213> ORGANISM: Homo sapiens
309 <220> FEATURE:
310 <221> NAME/KEY: misc_feature
311 <222> LOCATION: (7)..(7)
312 <223> OTHER INFORMATION: Xaa represents selenocysteine
314 <220> FEATURE:
315 <221> NAME/KEY: misc_feature
316 <222> LOCATION: (19)..(19)
317 <223> OTHER INFORMATION: Xaa represents selenocysteine
319 <400> SEQUENCE: 5
W--> 321 Thr Gly Ser Ala Ile Thr Xaa Gln Cys Lys Glu Asn Leu Pro Ser Leu
322 1 5 10 15
W--> 325 Cys Ser Xaa Gln Gly Leu Arg Ala Glu Glu Asn Ile
326 20 25

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/536,963

DATE: 05/15/2006
TIME: 10:06:18

Input Set : A:\sequence listing.txt
Output Set: N:\CRF4\05152006\J536963.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 40, 281, 289, 311, 326, 333, 348, 350, 357, 359
Seq#:2; Xaa Pos. 27, 40, 52, 67, 74, 88, 91, 98, 100
Seq#:3; Xaa Pos. 22
Seq#:4; Xaa Pos. 22
Seq#:5; Xaa Pos. 7, 19

VERIFICATION SUMMARY

DATE: 05/15/2006

PATENT APPLICATION: US/10/536,963

TIME: 10:06:18

Input Set : A:\sequence listing.txt

Output Set : N:\CRF4\05152006\J536963.raw

L:92 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:32
L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:272
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:288
L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:304
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:320
L:168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:336
L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:352
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:16
L:237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:32
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:48
L:245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:64
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:80
L:253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:96
L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:16
L:299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:16
L:321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:16